# Callan

September 22, 2022

### Pennsylvania State Employees' Retirement System – 401(a) Plan

Second Quarter 2022

**Executive Summary** 

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**Market Environment** 

# Equity and Fixed Income Markets Both Fell in 2Q22

Negative returns for stocks and bonds at the same time are unusual

# Global equity markets down sharply following the invasion of Ukraine

-Similar impact across developed markets

# Fixed income down with sharply higher inflation and interest rates

- Bloomberg Aggregate: -10.4% year-todate
- -CPI-U: +9.1% for the year ended 2Q22

# Number of times stocks and bonds have been down together

- 37 quarters in almost 100 years, about 10% of the quarters
- -But just twice on annual basis

### Inflation spiked to highest rate in decades

### Economic data show growth hit "pause"

- GDP fell 0.9% in 2Q22, after dropping 1.6% in 1Q22
- Forecasters have cut growth estimates for 2022 to 0%, or lower, and to 1.5% for 2023.

#### Returns for Periods ended 6/30/22

|                            |           | Year to |        |         |          |          |
|----------------------------|-----------|---------|--------|---------|----------|----------|
|                            | 1 Quarter | Date    | 1 Year | 5 Years | 10 Years | 25 Years |
| U.S. Equity                |           |         |        |         |          |          |
| Russell 3000               | -16.70    | -21.10  | -13.87 | 10.60   | 12.57    | 8.06     |
| S&P 500                    | -16.10    | -19.96  | -10.62 | 11.31   | 12.96    | 7.97     |
| Russell 2000               | -17.20    | -23.43  | -25.20 | 5.17    | 9.35     | 7.41     |
| Global ex-U.S. Equity      |           |         |        |         |          |          |
| MSCI World ex USA          | -14.66    | -18.76  | -16.76 | 2.66    | 5.37     | 4.07     |
| MSCI Emerging Markets      | -11.45    | -17.63  | -25.28 | 2.18    | 3.07     |          |
| MSCI ACWI ex USA Small Cap | -17.55    | -22.92  | -22.45 | 2.55    | 6.22     | 5.68     |
| Fixed Income               |           |         |        |         |          |          |
| Bloomberg Aggregate        | -4.69     | -10.35  | -10.29 | 0.88    | 1.54     | 4.36     |
| 90-day T-Bill              | 0.10      | 0.14    | 0.17   | 1.11    | 0.64     | 1.96     |
| Bloomberg Long Gov/Credit  | -12.27    | -21.88  | -20.14 | 1.03    | 2.63     | 6.14     |
| Bloomberg Global Agg ex-US | -11.01    | -16.49  | -18.78 | -1.75   | -1.06    | 2.83     |
| Real Estate                |           |         |        |         |          |          |
| NCREIF Property            | 5.33      | 10.94   | 23.91  | 9.30    | 9.89     | 9.61     |
| FTSE Nareit Equity         | -17.00    | -20.20  | -6.27  | 5.30    | 7.39     | 8.67     |
| Alternatives               |           |         |        |         |          |          |
| CS Hedge Fund              | -2.30     | -0.21   | 1.92   | 4.83    | 4.65     | 6.26     |
| Cambridge Private Equity*  | -1.51     | 3.61    | 22.01  | 20.68   | 16.50    | 15.43    |
| Bloomberg Commodity        | -5.66     | 18.44   | 24.27  | 8.39    | -0.82    | 1.81     |
| Gold Spot Price            | -7.51     | -1.16   | 2.02   | 7.79    | 1.20     | 6.97     |
| Inflation - CPI-U          | 3.06      | 6.28    | 9.06   | 3.88    | 2.59     | 2.49     |

\*Cambridge PE data through 03/31/22.

Sources: Bloomberg, Callan, Cambridge, Credit Suisse, FTSE Russell, MSCI, NCREIF, S&P Dow Jones Indices

## **Diversification Remains Key Risk Control**

### Periodic Table of Investment Returns

| 2003                 | 2004                 | 2005                 | 2006                 | 2007                 | 2008                 | 2009                 | 2010                 | 2011                 | 2012                 | 2013                 | 2014                 | 2015                 | 2016                 | 2017                 | 2018                 | 2019                 | 2020                 | 2021                 | 2 Qtrs.<br>2022      |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Emerging<br>Markets  | Emerging<br>Markets  | Emerging<br>Markets  | Emerging<br>Markets  | Emerging<br>Markets  | U.S. Fixed           | Emerging<br>Markets  | Small Cap            | Real Estate<br>Funds | Emerging<br>Markets  | Small Cap            | Large Cap            | Real Estate<br>Funds | Small Cap            | Emerging<br>Markets  | Real Estate<br>Funds | Large Cap            | Small Cap            | Large Cap            | Real Estate<br>Funds |
| 55.82%               | 25.55%               | 34.00%               | 32.17%               | 39.38%               | 5.24%                | 78.51%               | 26.85%               | 14.96%               | 18.23%               | 38.82%               | 13.69%               | 13.95%               | 21.31%               | 37.28%               | 7.36%                | 31.49%               | 19.96%               | 28.71%               | 12.00%               |
| Small Cap            | Non-U.S.<br>Equity   | Real Estate<br>Funds | Non-U.S.<br>Equity   | Real Estate<br>Funds | Non-U.S.<br>Fixed    | High Yield           | Emerging<br>Markets  | U.S. Fixed           | Non-U.S.<br>Equity   | Large Cap            | Real Estate<br>Funds | Large Cap            | High Yield           | Non-U.S.<br>Equity   | Cash<br>Equivalent   | Small Cap            | Large Cap            | Real Estate<br>Funds | Cash<br>Equivalent   |
| 47.25%               | 20.38%               | 20.15%               | 25.71%               | 14.84%               | 4.39%                | 58.21%               | 18.88%               | 7.84%                | 16.41%               | 32.39%               | 11.46%               | 1.38%                | 17.13%               | 24.21%               | 1.87%                | 25.52%               | 18.40%               | 21.02%               | 0.14%                |
| Non-U.S.<br>Equity   | Small Cap            | Non-U.S.<br>Equity   | Small Cap            | Hedge<br>Funds       | Cash<br>Equivalent   | Non-U.S.<br>Equity   | Real Estate<br>Funds | High Yield           | Small Cap            | Non-U.S.<br>Equity   | U.S. Fixed           | U.S. Fixed           | Large Cap            | Large Cap            | U.S. Fixed           | Non-U.S.<br>Equity   | Emerging<br>Markets  | Small Cap            | Hedge<br>Funds       |
| 39.42%               | 18.33%               | 14.47%               | 18.37%               | 12.56%               | 2.06%                | 33.67%               | 15.26%               | 4.98%                | 16.35%               | 21.02%               | 5.97%                | 0.55%                | 11.96%               | 21.83%               | 0.01%                | 22.49%               | 18.31%               | 14.82%               | -0.21%               |
| High Yield           | Non-U.S.<br>Fixed    | Hedge<br>Funds       | Large Cap            | Non-U.S.<br>Equity   | Real Estate<br>Funds | Small Cap            | High Yield           | Non-U.S.<br>Fixed    | Large Cap            | Real Estate<br>Funds | Small Cap            | Cash<br>Equivalent   | Emerging<br>Markets  | Small Cap            | High Yield           | Emerging<br>Markets  | Non-U.S.<br>Fixed    | Non-U.S.<br>Equity   | U.S. Fixed           |
| 28.97%               | 12.54%               | 7.61%                | 15.79%               | 12.44%               | -10.70%              | 27.17%               | 15.12%               | 4.36%                | 16.00%               | 12.90%               | 4.89%                | 0.05%                | 11.19%               | 14.65%               | -2.08%               | 18.44%               | 10.11%               | 12.62%               | -10.35%              |
| Large Cap            | Real Estate<br>Funds | Large Cap            | Real Estate<br>Funds | Non-U.S.<br>Fixed    | Hedge<br>Funds       | Large Cap            | Large Cap            | Large Cap            | High Yield           | Hedge<br>Funds       | Hedge<br>Funds       | Hedge<br>Funds       | Real Estate<br>Funds | Non-U.S.<br>Fixed    | Non-U.S.<br>Fixed    | High Yield           | Non-U.S.<br>Equity   | Hedge<br>Funds       | High Yield           |
| 28.68%               | 12.00%               | 4.91%                | 15.27%               | 11.03%               | -19.07%              | 26.47%               | 15.06%               | 2.11%                | 15.81%               | 9.73%                | 4.13%                | -0.71%               | 7.79%                | 10.51%               | -2.15%               | 14.32%               | 7.59%                | 8.23%                | -14.19%              |
| Non-U.S.<br>Fixed    | High Yield           | Small Cap            | Hedge<br>Funds       | U.S. Fixed           | High Yield           | Hedge<br>Funds       | Hedge<br>Funds       | Cash<br>Equivalent   | Real Estate<br>Funds | High Yield           | High Yield           | Non-U.S.<br>Equity   | Non-U.S.<br>Equity   | High Yield           | Hedge<br>Funds       | Hedge<br>Funds       | U.S. Fixed           | High Yield           | Non-U.S.<br>Fixed    |
| 19.36%               | 11.13%               | 4.55%                | 13.86%               | 6.97%                | -26.16%              | 18.57%               | 10.95%               | 0.10%                | 9.79%                | 7.44%                | 2.45%                | -3.04%               | 2.75%                | 7.50%                | -3.19%               | 9.31%                | 7.51%                | 5.28%                | -16.49%              |
| Hedge<br>Funds       | Large Cap            | Cash<br>Equivalent   | High Yield           | Large Cap            | Small Cap            | Non-U.S.<br>Fixed    | Non-U.S.<br>Equity   | Hedge<br>Funds       | Hedge<br>Funds       | Cash<br>Equivalent   | Cash<br>Equivalent   | Small Cap            | U.S. Fixed           | Hedge<br>Funds       | Large Cap            | U.S. Fixed           | High Yield           | Cash<br>Equivalent   | Emerging<br>Markets  |
| 15.44%               | 10.88%               | 3.06%                | 11.85%               | 5.49%                | -33.79%              | 7.53%                | 8.95%                | -2.52%               | 7.67%                | 0.07%                | 0.04%                | -4.41%               | 2.65%                | 7.12%                | -4.38%               | 8.72%                | 7.11%                | 0.05%                | -17.63%              |
| Real Estate<br>Funds | Hedge<br>Funds       | High Yield           | Non-U.S.<br>Fixed    | Cash<br>Equivalent   | Large Cap            | U.S. Fixed           | U.S. Fixed           | Small Cap            | U.S. Fixed           | U.S. Fixed           | Emerging<br>Markets  | High Yield           | Non-U.S.<br>Fixed    | Real Estate<br>Funds | Small Cap            | Non-U.S.<br>Fixed    | Hedge<br>Funds       | U.S. Fixed           | Non-U.S.<br>Equity   |
| 8.28%                | 9.64%                | 2.74%                | 8.16%                | 5.00%                | -37.00%              | 5.93%                | 6.54%                | -4.18%               | 4.21%                | -2.02%               | -2.19%               | -4.47%               | 1.49%                | 6.66%                | -11.01%              | 5.09%                | 6.36%                | -1.54%               | -18.76%              |
| U.S. Fixed           | U.S. Fixed           | U.S. Fixed           | Cash<br>Equivalent   | High Yield           | Non-U.S.<br>Equity   | Cash<br>Equivalent   | Non-U.S.<br>Fixed    | Non-U.S.<br>Equity   | Non-U.S.<br>Fixed    | Emerging<br>Markets  | Non-U.S.<br>Fixed    | Non-U.S.<br>Fixed    | Hedge<br>Funds       | U.S. Fixed           | Non-U.S.<br>Equity   | Real Estate<br>Funds | Cash<br>Equivalent   | Emerging<br>Markets  | Large Cap            |
| 4.10%                | 4.34%                | 2.43%                | 4.86%                | 1.87%                | -43.56%              | 0.21%                | 4.95%                | -12.21%              | 4.09%                | -2.60%               | -3.09%               | -6.02%               | 1.25%                | 3.54%                | -14.09%              | 4.39%                | 0.67%                | -2.54%               | -19.96%              |
| Cash<br>Equivalent   | Cash<br>Equivalent   | Non-U.S.<br>Fixed    | U.S. Fixed           | Small Cap            | Emerging<br>Markets  | Real Estate<br>Funds | Cash<br>Equivalent   | Emerging<br>Markets  | Cash<br>Equivalent   | Non-U.S.<br>Fixed    | Non-U.S.<br>Equity   | Emerging<br>Markets  | Cash<br>Equivalent   | Cash<br>Equivalent   | Emerging<br>Markets  | Cash<br>Equivalent   | Real Estate<br>Funds | Non-U.S.<br>Fixed    | Small Cap            |
| 1.15%                | 1.33%                | -8.65%               | 4.33%                | -1.57%               | -53.33%              | -30.40%              | 0.13%                | -18.42%              | 0.11%                | -3.08%               | -4.32%               | -14.92%              | 0.33%                | 0.86%                | -14.57%              | 2.28%                | 0.34%                | -7.05%               | -23.43%              |

● Bloomberg Barclays Corp High Yield ● Bloomberg Barclays Global Aggregate ex US ● Bloomberg Barclays US Aggregate

● Credit Suisse Hedge Fund ● ICE BofAML US 3-Month Treasury Bill ● MSCI Emerging Markets ● MSCI World ex USA

• NFI-ODCE (value-weighted net) • Russell 2000 • S&P 500

## **DC Industry Topics**

#### **SECURE 2.0 Status Update**

Securing a Strong Retirement Act passed the House this year (called the SECURE 2.0 Act).

The Senate has two versions moving through its committee process.

- Senate HELP Committee advanced the RISE & SHINE Act.

- Senate Finance Committee passed the EARN Act.

Congress will work to reconcile these three bills.

#### **Expected SECURE 2.0 Features**

CITs to be available for 403(b) plans Required minimum distributions (RMDs) pushed back to age 75 Allowing a company match for those paying off student loans Many other features to expand coverage and saving

#### **Other Topics**

DOL expected to release final ESG rules later this year DOL expected to reengage on Fiduciary Rule DOL cautions plan sponsors on adding cryptocurrencies to plans

# **Callan DC Insights: Learning from Litigation**

**Takeaway:** Callan issued a number of DC Insights in 2020 on trends in litigation centered on the fiduciary duties outlined in the Employee Retirement Income Security Act (ERISA). We are revisiting this topic with a series of DC Insights focused on litigation themes and the impact of specific cases. Please note: If you would like to discuss any of these topics in greater detail, reach out to your Callan consultant.

**Background:** Callan reviewed 165 lawsuits filed against mid- to mega-sized defined contribution (DC) plans (\$175 million to \$10 billionplus) over the past four years. For ERISA litigation, 2020 was a bumper year, with 73 new cases filed. After the U.S. Supreme Court agreed to hear Hughes v. Northwestern in September 2021, the rate of new lawsuits slowed and a number of stays were granted pending that decision. As a result, 2021 saw nearly half of 2020's volume, with only 39 lawsuits. After the decision was issued in January 2022, the rate of litigation resumed. Year to date, 2022 has seen 32 new lawsuits, with nearly 140 lawsuits in process.

The complaints filed between January 2019 and August 2022 show that the litigation spans industries, plan sizes, plaintiffs' counsel, and allegations.

- Plan sponsors in the financial services industry were most likely to be subject to these complaints (20%), closely followed by health care (17%; excludes biotech and pharmaceuticals, which were tracked separately), technology (14%), and manufacturing (13%).
- While a high volume of law firms filed new lawsuits (38) during the time period under review, 21 of those filed only one lawsuit.
- The law firms with the highest number of cases settled less often than law firms with fewer cases. One law firm that filed 55 cases has seen 13% dismissed and 24% settled, with the rest pending. Of those settled, the average settlement was \$1.8 million or 0.26% of plan assets. The law firm with the second highest number of cases in this time period filed 19 cases, with 21% dismissed and 5% settled. Law firms that settled more often (over 55% of cases were settled) filed 10 or fewer lawsuits during this period. The settlement value of those cases fell between \$8.8 million and \$9.6 million.
- Nearly 50 lawsuits in this review were settled (28%). Across all cases to have reached a settlement, it took approximately two years to get to a settlement from the date the suit was filed.
- It is notable that one-third of settlements were with plans containing funds that were proprietary to the plan sponsor. The settlements for plans with proprietary funds were 2.5x those without proprietary funds (\$15.8 million compared to \$6.3 million).

# Callan DC Insights: Learning from Litigation (Continued)

- The most common allegation was a breach of prudence, cited in 77% of cases compared to 61% that included a claim of breach of loyalty. These breaches are tied to varying elements of ongoing plan management: 83% of lawsuits challenged some facet of fund selection, and 63% focused on the target date fund suite. Also, 75% challenged administrative fees and other elements of plan services.
- The median plan assets in new lawsuits filed during this time period was \$1.65 billion, and the median participant count was 17,500. The average amount of plan assets in these lawsuits was \$5.7 billion with 67,500 participants on average.

**Bottom Line:** The ongoing pace of new litigation reinforces the need to continue managing and reviewing fees, funds, and services. Plan sponsors should continue to carefully monitor investment options, review plan fees, and follow any written governance documentation, including the investment policy statement. Additionally, plan fiduciaries should document the process and decisions made around vendor selection and fees to demonstrate their due diligence.

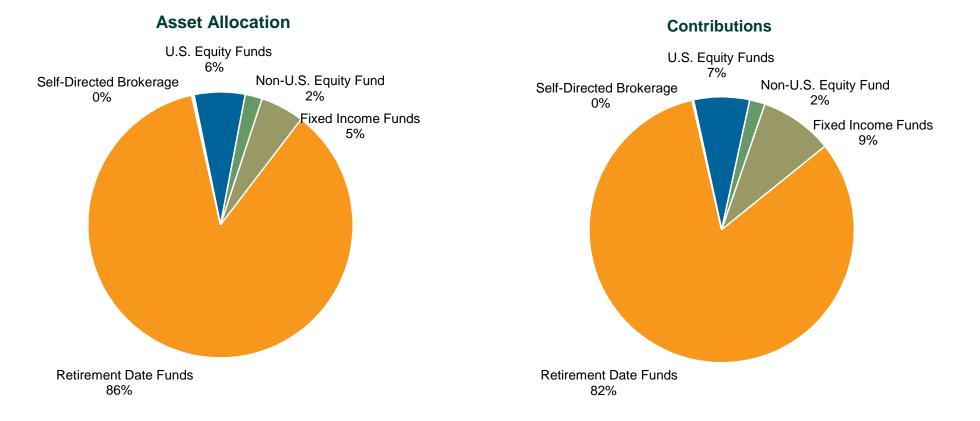
In the coming weeks, Callan will be exploring a select few litigation themes for DC plans. Be on the lookout for these short summaries.



# PA SERS 401(a) Plan Performance Review

# 401(a) Plan Asset Allocation & Contributions

As of June 30, 2022



# **Asset Allocation**

# As of June 30, 2022

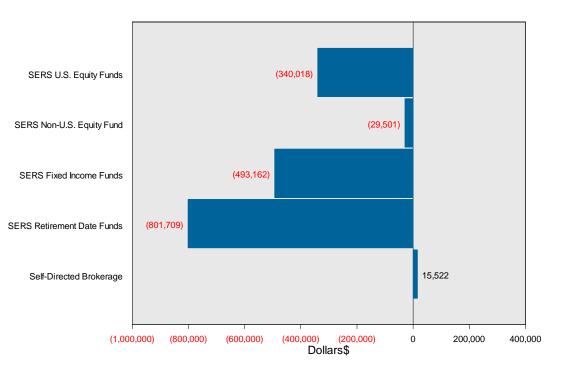
|                                    | June 30, 2   | 2022   |              |                  | March 31,    | 2022   |
|------------------------------------|--------------|--------|--------------|------------------|--------------|--------|
|                                    | Market Value | Weight | Net New Inv. | Inv. Return      | Market Value | Weight |
| SERS Retirement Date Funds         | \$67,379,844 | 86.13% | \$9,250,418  | \$(10,052,126)   | \$68,181,553 | 85.36% |
| SERS Post Retirement Fund          | 1,154,857    | 1.48%  | 112,854      | (108,868)        | 1,150,871    | 1.44%  |
| SERS 2025 Retirement Fund          | 3,314,161    | 4.24%  | 373,623      | (341,245)        | 3,281,783    | 4.11%  |
| SERS 2030 Retirement Fund          | 6,605,531    | 8.44%  | 1,112,086    | (750,494)        | 6,243,938    | 7.82%  |
| SERS 2035 Retirement Fund          | 8,140,001    | 10.41% | 1,012,472    | (1,075,619)      | 8,203,148    | 10.27% |
| SERS 2040 Retirement Fund          | 7,812,917    | 9.99%  | 1,181,572    | (1,112,054)      | 7,743,399    | 9.69%  |
| SERS 2045 Retirement Fund          | 7,816,450    | 9.99%  | 858,916      | (1,250,230)      | 8,207,764    | 10.28% |
| SERS 2050 Retirement Fund          | 9,113,409    | 11.65% | 1,225,649    | (1,511,033)      | 9,398,793    | 11.77% |
| SERS 2055 Retirement Fund          | 9,129,583    | 11.67% | 1,344,046    | (1,523,027)      | 9,308,564    | 11.65% |
| SERS 2060 Retirement Fund          | 8,545,383    | 10.92% | 1,086,048    | (1,436,214)      | 8,895,549    | 11.14% |
| SERS 2065 Retirement Fund          | 5,747,553    | 7.35%  | 943,152      | (943,343)        | 5,747,744    | 7.20%  |
| SERS U.S. Equity                   | \$4,862,842  | 6.22%  | \$577,715    | \$(917,734)      | \$5,202,860  | 6.51%  |
| SERS U.S. Large Company ldx Fund   | 2,973,578    | 3.80%  | 279,442      | (539,315)        | 3,233,450    | 4.05%  |
| SERS U.S. All Company Idx Fund     | 1,262,664    | 1.61%  | 209,344      | (232,066)        | 1,285,386    | 1.61%  |
| SERS U.S. SMID Company ldx Fund    | 626,600      | 0.80%  | 88,928       | (146,352)        | 684,024      | 0.86%  |
| SERS Non-U.S. Equity               | \$1,668,150  | 2.13%  | \$208,289    | \$(237,791)      | \$1,697,651  | 2.13%  |
| SERS Global Non-U.S. Index Fund    | 1,668,150    | 2.13%  | 208,289      | (237,791)        | 1,697,651    | 2.13%  |
| SERS Fixed Income                  | \$4,179,919  | 5.34%  | \$(445,369)  | \$(47,792)       | \$4,673,080  | 5.85%  |
| SERS Short Term Investment Fund    | 2,925,767    | 3.74%  | (665,727)    | 5,557            | 3,585,937    | 4.49%  |
| SERS U.S. Short Term Bond Idx Fund | 31,229       | 0.04%  | 4,325        | (183)            | 27,086       | 0.03%  |
| SERS U.S. TIPS Index Fund          | 244,409      | 0.31%  | 17,371       | (15,501)         | 242,539      | 0.30%  |
| SERS U.S. Bond Index Fund          | 978,514      | 1.25%  | 198,661      | (37,665)         | 817,518      | 1.02%  |
| SERS Self-Directed Brokerage       | \$136,750    | 0.17%  | \$23,899     | <b>\$(8,376)</b> | \$121,227    | 0.15%  |
| Total Fund                         | \$78,227,504 | 100.0% | \$9,614,951  | \$(11,263,819)   | \$79,876,372 | 100.0% |

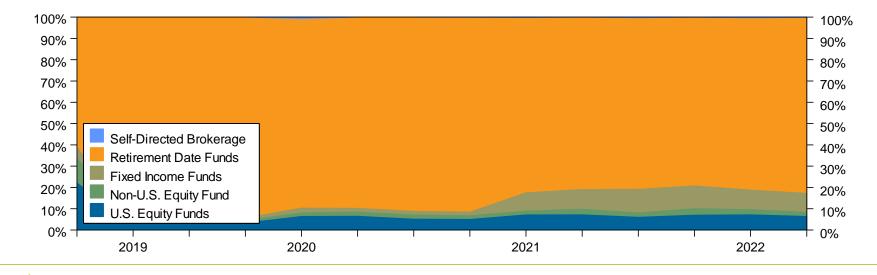
## **Changes in Market Values and Contributions**

### As of June 30, 2022

- The chart to the right shows the change in fund values across the various investment options for the quarter ended June 30, 2022. The change in value for each fund is the result of a combination of 3 factors.
- 1. Market movements
- 2. Contributions or disbursements into or out of the fund by the participants (and any matching done by the company)
- 3. Transfers between funds by the participants.

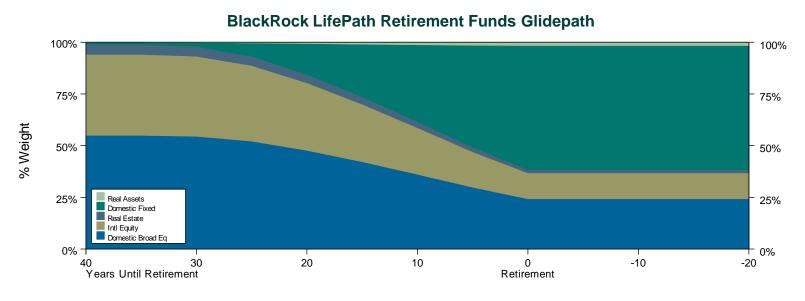
### **Historical Allocation of Contributions**



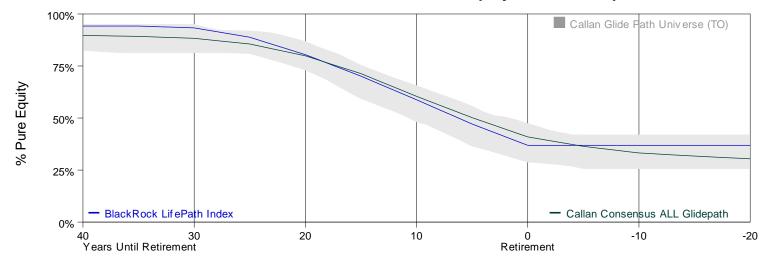


### **Blackrock LifePath Retirement Funds**

### Glidepath and Equity Rolldown Exposure as of June 30, 2022







### As of June 30, 2022

| une 30, 2022                    | 1 (             | Year       | 1 (          | Last       | Last       |         |
|---------------------------------|-----------------|------------|--------------|------------|------------|---------|
|                                 | Last<br>Quarter | to<br>Date | Last<br>Year | 3<br>Years | 5<br>Years |         |
| Net Performance                 | Quarter         | Dale       | Tear         | Tears      | Tears      |         |
| Farget Date Funds               |                 |            |              |            |            |         |
| SERS Post Retirement Fund       | (9.03%)         | (13.69%)   | (11.68%)     | 2.78%      | 3.93%      |         |
| BlackRock Post Retirement Index | (9.14%)         | (13.75%)   | (11.68%)     | 2.72%      | 3.90%      |         |
| Callan Tgt Date Ret Inc         | (8.32%)         | (12.87%)   | (10.82%)     | 2.17%      | 3.20%      |         |
| SERS 2025 Retirement Fund       | (9.88%)         | (14.50%)   | (12.10%)     | 3.48%      | 4.75%      |         |
| BlackRock 2025 Index            | (10.04%)        | (14.58%)   | (12.11%)     | 3.42%      | 4.69%      |         |
| Callan Target Date 2025         | (10.33%)        | (15.31%)   | (12.67%)     | 3.62%      | 4.91%      |         |
| SERS 2030 Retirement Fund       | (11.21%)        | (15.80%)   | (12.88%)     | 4.21%      | 5.41%      |         |
| BlackRock 2030 Index            | (11.44%)        | (15.90%)   | (12.92%)     | 4.14%      | 5.33%      |         |
| Callan Target Date 2030         | (11.50%)        | (16.64%)   | (13.74%)     | 4.16%      | 5.37%      |         |
| Callari Target Date 2000        | (11.007.0)      | (1010170)  | (1011170)    | 1.1070     | 0.0170     |         |
| SERS 2035 Retirement Fund       | (12.43%)        | (17.02%)   | (13.64%)     | 4.90%      | 6.03%      |         |
| BlackRock 2035 Index            | (12.73%)        | (17.15%)   | (13.71%)     | 4.82%      | 5.93%      |         |
| Callan Target Date 2035         | (12.61%)        | (17.95%)   | (14.44%)     | 4.81%      | 5.87%      |         |
| SERS 2040 Retirement Fund       | (13.58%)        | (18.20%)   | (14.41%)     | 5.47%      | 6.54%      |         |
| BlackRock 2040 Index            | (13.95%)        | (18.34%)   | (14.51%)     | 5.36%      | 6.43%      |         |
| Callan Target Date 2040         | (13.55%)        | (18.71%)   | (15.13%)     | 5.26%      | 6.23%      |         |
| SERS 2045 Retirement Fund       | (14.55%)        | (19.20%)   | (15.11%)     | 5.93%      | 6.92%      |         |
| BlackRock 2045 Index            | (14.97%)        | (19.36%)   | (15.25%)     | 5.79%      | 6.77%      |         |
| Callan Target Date 2045         | (14.20%)        | (19.29%)   | (15.41%)     | 5.62%      | 6.48%      |         |
| SERS 2050 Retirement Fund       | (15.11%)        | (19.80%)   | (15.56%)     | 6.13%      | 7.07%      |         |
| BlackRock 2050 Index            | (15.56%)        | (19.97%)   | (15.72%)     | 6.00%      | 6.93%      |         |
| Callan Target Date 2050         | (14.48%)        | (19.57%)   | (15.68%)     | 5.63%      | 6.48%      |         |
| SERS 2055 Retirement Fund       | (15.25%)        | (19.95%)   | (15.68%)     | 6.16%      | 7.09%      |         |
| BlackRock 2055 Index            | (15.71%)        | (20.14%)   | (15.86%)     | 6.03%      | 6.95%      |         |
| Callan Target Date 2055         | (14.62%)        | (19.79%)   | (15.83%)     | 5.63%      | 6.58%      |         |
| SERS 2060 Retirement Fund       | (15.26%)        | (19.96%)   | (15.69%)     | 6.14%      | 7.07%      |         |
| BlackRock 2060 Index            | (15.71%)        | (20.15%)   | (15.86%)     | 6.03%      | 6.95%      |         |
| Callan Target Date 2060         | (14.72%)        | (19.87%)   | (15.90%)     | 5.67%      | 6.63%      |         |
| SERS 2065 Retirement Fund       | (15.26%)        | (19.97%)   | (15.71%)     | -          | -          |         |
| BlackRock 2065 Index            | (15.72%)        | (20.16%)   | (15.88%)     | -          | -          |         |
| Callan Target Date 2065         | (14.99%)        | (20.40%)   | (17.37%)     | 5.70%      | 6.52%      | Ν       |
|                                 |                 |            |              |            |            | e<br>re |

Note: SERS Funds are the top fund in each grouping followed by each fund's respective benchmark and median peer.

### As of June 30, 2022

|                                 | Last<br>7<br>Years | Last<br>10<br>Years | Last<br>15<br>Years | Last<br>20<br>Years |  |
|---------------------------------|--------------------|---------------------|---------------------|---------------------|--|
| Net Performance                 | iouio              | louio               | louio               | Touro               |  |
| Target Date Funds               |                    |                     |                     |                     |  |
| SERS Post Retirement Fund       | 4.04%              | 4.57%               | 4.51%               | -                   |  |
| BlackRock Post Retirement Index | 4.01%              | 4.53%               | 4.48%               | 5.29%               |  |
| Callan Tgt Date Ret Inc         | 3.48%              | 3.96%               | 3.76%               | 3.79%               |  |
| SERS 2025 Retirement Fund       | 4.91%              | 6.00%               | 4.51%               | -                   |  |
| BlackRock 2025 Index            | 4.85%              | 5.94%               | 4.45%               | 5.97%               |  |
| Callan Target Date 2025         | 4.98%              | 6.55%               | 4.63%               | -                   |  |
| SERS 2030 Retirement Fund       | 5.52%              | 6.70%               | 4.75%               | -                   |  |
| BlackRock 2030 Index            | 5.43%              | 6.61%               | 4.69%               | 6.28%               |  |
| Callan Target Date 2030         | 5.63%              | 7.30%               | 4.83%               | 6.00%               |  |
| SERS 2035 Retirement Fund       | 6.11%              | 7.35%               | 4.99%               | -                   |  |
| BlackRock 2035 Index            | 5.99%              | 7.24%               | 4.90%               | 6.56%               |  |
| Callan Target Date 2035         | 6.07%              | 7.89%               | 5.18%               | -                   |  |
| SERS 2040 Retirement Fund       | 6.58%              | 7.91%               | 5.17%               | -                   |  |
| BlackRock 2040 Index            | 6.45%              | 7.78%               | 5.05%               | 6.78%               |  |
| Callan Target Date 2040         | 6.39%              | 8.27%               | 5.43%               | 6.23%               |  |
| SERS 2045 Retirement Fund       | 6.92%              | 8.35%               | 5.27%               | -                   |  |
| BlackRock 2045 Index            | 6.76%              | 8.20%               | 5.15%               | 6.98%               |  |
| Callan Target Date 2045         | 6.61%              | 8.46%               | 5.32%               | -                   |  |
| SERS 2050 Retirement Fund       | 7.05%              | 8.61%               | -                   | -                   |  |
| BlackRock 2050 Index            | 6.89%              | 8.46%               | 5.32%               | 7.37%               |  |
| Callan Target Date 2050         | 6.62%              | 8.49%               | 5.56%               | -                   |  |
| SERS 2055 Retirement Fund       | 7.06%              | 8.76%               | -                   | -                   |  |
| BlackRock 2055 Index            | 6.91%              | 8.62%               | -                   | -                   |  |
| Callan Target Date 2055         | 6.69%              | 8.63%               | -                   | -                   |  |

Note: SERS Funds are the top fund in each grouping followed by each fund's respective benchmark and median peer. Funds not listed do not have longer term history.

| s of Jur | ne 30, 2022                        |          | Year     |          | Last    | Last   |
|----------|------------------------------------|----------|----------|----------|---------|--------|
|          |                                    | Last     | to       | Last     | 3       | 5      |
|          |                                    | Quarter  | Date     | Year     | Years   | Years  |
|          | Net Performance                    |          |          |          |         |        |
|          | Domestic Equity                    |          |          |          |         |        |
|          | SERS U.S. Large Company Index Fund | (16.11%) | (19.96%) | (10.62%) | 10.61%  | 11.32% |
|          | S&P 500 Index                      | (16.10%) | (19.96%) | (10.62%) | 10.60%  | 11.31% |
|          | Callan Lg Cap Broad MF             | (16.14%) | (20.32%) | (12.66%) | 8.69%   | 10.17% |
|          | SERS U.S. All Company Index Fund   | (16.72%) | (21.12%) | (13.89%) | 9.71%   | 10.54% |
|          | Russell 3000 Index                 | (16.70%) | (21.10%) | (13.87%) | 9.77%   | 10.60% |
|          | Callan Multi Cap Brd MF            | (15.56%) | (20.61%) | (14.21%) | 7.70%   | 8.56%  |
|          | SERS U.S. SMID Company Idx Fund    | (20.54%) | (27.84%) | (29.54%) | 4.86%   | 6.60%  |
|          | Dow Jones US Completion            | (20.66%) | (28.09%) | (29.99%) | 4.57%   | 6.34%  |
|          | Callan SMID Broad MFs              | (17.10%) | (24.47%) | (21.97%) | 5.77%   | 6.91%  |
|          | International Equity               |          |          |          |         |        |
|          | SERS Global Non-U.S. Index Fund    | (13.22%) | (18.15%) | (19.18%) | 1.61%   | 2.78%  |
|          | MSCI ACWI ex US                    | (13.73%) | (18.42%) | (19.42%) | 1.35%   | 2.50%  |
|          | Callan Non US Equity MFs           | (13.46%) | (19.79%) | (19.63%) | 1.45%   | 2.31%  |
|          | Domestic Fixed Income              |          |          |          |         |        |
|          | SERS Short Term Investment Fund    | 0.16%    | 0.18%    | 0.20%    | 0.66%   | 1.18%  |
|          | 3-month Treasury Bill              | 0.10%    | 0.14%    | 0.17%    | 0.63%   | 1.11%  |
|          | Callan Cash Database(1)            | 0.13%    | 0.03%    | 0.05%    | 0.72%   | 1.27%  |
|          | SERS U.S. Short Term Bond Idx Fund | (0.63%)  | (3.10%)  | (3.58%)  | 0.30%   | -      |
|          | Blmbg Gov/Cred 1-3 Yr              | (0.63%)  | (3.11%)  | (3.56%)  | 0.31%   | 1.07%  |
|          | Callan Short US Govt MFs           | (0.93%)  | (3.89%)  | (4.56%)  | (0.11%) | 0.67%  |
|          | SERS U.S. TIPS Index Fund          | (6.09%)  | (8.88%)  | (5.15%)  | 3.03%   | -      |
|          | BImbg US TIPS                      | (6.08%)  | (8.92%)  | (5.14%)  | 3.04%   | 3.21%  |
|          | Callan TIPS MFs                    | (6.14%)  | (8.72%)  | (5.38%)  | 3.04%   | 3.06%  |
|          | SERS U.S. Bond Index Fund          | (4.74%)  | (10.30%) | (10.31%) | (0.95%) | 0.87%  |
|          | Blmbg Aggregate                    | (4.69%)  | (10.35%) | (10.29%) | (0.93%) | 0.88%  |
|          | Callan Core Bond MFs               | (5.07%)  | (10.68%) | (10.70%) | (0.60%) | 1.12%  |

(1) Callan Cash Database includes STIF, enhanced cash, and money market funds.

### As of June 30, 2022

|                                    | Last<br>7<br>Years | Last<br>10<br>Years | Last<br>15<br>Years | Last<br>20<br>Years |  |
|------------------------------------|--------------------|---------------------|---------------------|---------------------|--|
| Net Performance                    |                    |                     |                     |                     |  |
| Domestic Equity                    |                    |                     |                     |                     |  |
| SERS U.S. Large Company Index Fund | 11.16%             | 12.97%              | 8.58%               | 9.12%               |  |
| S&P 500 Index                      | 11.14%             | 12.96%              | 8.54%               | 9.08%               |  |
| Callan Lg Cap Broad MF             | 9.90%              | 12.16%              | 8.16%               | 8.78%               |  |
| SERS U.S. All Company Index Fund   | 10.39%             | 12.55%              | -                   | -                   |  |
| Russell 3000 Index                 | 10.43%             | 12.57%              | 8.36%               | 9.14%               |  |
| Callan Multi Cap Brd MF            | 8.20%              | 11.10%              | 7.02%               | 8.45%               |  |
| SERS U.S. SMID Company Idx Fund    | 6.78%              | 10.37%              | 7.48%               | 9.58%               |  |
| Dow Jones US Completion            | 6.53%              | 10.12%              | 7.23%               | 9.39%               |  |
| Callan SMID Broad MFs              | 7.05%              | 10.44%              | 7.49%               | 8.91%               |  |
| International Equity               |                    |                     |                     |                     |  |
| SERS Global Non-U.S. Index Fund    | 3.20%              | 5.04%               | -                   | -                   |  |
| MSCI ACWI ex US                    | 2.92%              | 4.83%               | 1.58%               | 5.78%               |  |
| Callan Non US Equity MFs           | 2.71%              | 5.47%               | 2.15%               | 5.58%               |  |
| Domestic Fixed Income              |                    |                     |                     |                     |  |
| SERS Short Term Investment Fund    | 1.01%              | 0.76%               | 0.94%               | -                   |  |
| 3-month Treasury Bill              | 0.89%              | 0.64%               | 0.75%               | 1.25%               |  |
| Callan Cash Database(1)            | 1.13%              | 0.92%               | 1.15%               | 1.58%               |  |
| Blmbg Gov/Cred 1-3 Yr              | 1.04%              | 1.01%               | 1.89%               | 2.21%               |  |
| Callan Short US Govt MFs           | 0.62%              | 0.63%               | 1.79%               | 2.05%               |  |
| BImbg US TIPS                      | 2.82%              | 1.73%               | 3.92%               | 4.44%               |  |
| Callan TIPS MFs                    | 2.68%              | 1.59%               | 3.62%               | 4.10%               |  |
| SERS U.S. Bond Index Fund          | 1.39%              | 1.51%               | 3.22%               | 3.54%               |  |
| BImbg Aggregate                    | 1.42%              | 1.54%               | 3.26%               | 3.57%               |  |
| Callan Core Bond MFs               | 1.62%              | 1.78%               | 3.58%               | 3.81%               |  |

(1) Callan Cash Database includes STIF, enhanced cash, and money market funds. \*Funds not listed do not have longer term history.

## Performance Summary & Expense Ratios as of June 30, 2022

| Investment Manager  | Last<br>Quarter<br>Return                                 | Last<br>Year<br>Return | 3<br>Year<br>Return | 5<br>Year<br>Return   | 7<br>Year<br>Return | 10<br>Year<br>Return | 5 Year<br>Return<br>Consistend | 5 Year<br>Risk<br>cyQuadrant | Expense<br>Ratio  |
|---|---|------------------------|---------------------|-----------------------|---------------------|----------------------|--------------------------------|------------------------------|---|
| Net of Fee Performance  |   |                        |                     |                       |                     |                      |                                |                              |   |
| Target Date Funds   |   |                        |                     |                       |                     |                      |                                |                              |   |
| SERS Post Retirement Fund<br>Callan Tgt Date Ret Inc  | <b>-9.0</b> 70  | <b>-11.7</b> 70        | <b>2.8</b> 29       | <b>3.9</b> 11         | <b>4.0</b> 13       | <b>4.6</b> 20        |                                |                              | <b>0.08</b> 75  |
| BlackRock Post Retirement Index   | -9.1 79   | -11.7 70               | 2.7 34              | 3.9 17                | 4.0 14              | 4.5 20               |                                |                              |   |
| SERS 2025 Retirement Fund<br>Callan Target Date 2025  | <b>-9.9</b> 28  | <b>-12.1</b> 39        | <b>3.5</b> 58       | <b>4.7</b> 54         | <b>4.9</b> 56       | <b>6.0</b> 77        |                                |                              | <b>0.08</b> 74  |
| BlackRock 2025 Index  | -10.0 33  | -12.1 39               | 3.4 62              | 4.7 56                | 4.8 63              | 5.9 80               |                                |                              |   |
| SERS 2030 Retirement Fund<br>Callan Target Date 2030  | <b>-11.2</b> 34   | <b>-12.9</b> 33        | <b>4.2</b> 47       | <b>5.4</b> 47         | <b>5.5</b> 54       | <b>6.7</b> 74        |                                |                              | <b>0.08</b> 72  |
| BlackRock 2030 Index  | -11.4 49  | -12.9 33               | 4.1 56              | 5.3 54                | 5.4 61              | 6.6 78               |                                |                              |   |
| SERS 2035 Retirement Fund<br>Callan Target Date 2035  | <b>-12.4</b> 40   | <b>-13.6</b> 26        | <b>4.9</b> 47       | <b>6.0</b> 41         | <b>6.1</b> 47       | <b>7.4</b> 74        |                                |                              | <b>0.08</b> 74  |
| BlackRock 2035 Index  | -12.7 56  | -13.7 29               | 4.8 50              | 5.9 46                | <b>6.0</b> 55       | 7.2 78               | 3                              |                              |   |
| SERS 2040 Retirement Fund<br>Callan Target Date 2040  | <b>-13.6</b> 52   | <b>-14.4</b> 29        | <b>5.5</b> 40       | <b>6.5</b> 26         | <b>6.6</b> 35       | <b>7.9</b> 70        |                                |                              | <b>0.08</b> 72  |
| BlackRock 2040 Index  | -13.9 72  | -14.5 33               | 5.4 44              | 6.4 33                | 6.4 44              | 7.8 7                |                                |                              |   |
| SERS 2045 Retirement Fund<br>Callan Target Date 2045  | <b>-14.6</b> 71   | <b>-15.1</b> 33        | <b>5.9</b> 27       | <b>6.9</b> 21         | <b>6.9</b> 32       | <b>8.3</b> 59        |                                |                              | <b>0.08</b> 74  |
| BlackRock 2045 Index  | -15.0 89  | -15.2 39               | 5.8 35              | 6.8 33                | 6.8 39              | 8.2 70               |                                |                              |   |
| SERS 2050 Retirement Fund<br>Callan Target Date 2050  | <b>-15.1</b> 85   | <b>-15.6</b> 42        | <b>6.1</b> 26       | <b>7.1</b> 13         | <b>7.1</b> 21       | <b>8.6</b> 44        |                                |                              | <b>0.08</b> 72  |
| BlackRock 2050 Index  | -15.6 98  | <b>-15.7</b> 55        | 6.0 29              | 6.9 19                | 6.9 30              | 8.5 53               | 3                              |                              |   |
| SERS 2055 Retirement Fund<br>Callan Target Date 2055  | <b>-15.3</b> 86   | <b>-15.7</b> 40        | <b>6.2</b> 22       | <b>7.1</b> 12         | <b>7.1</b> 21       | <b>8.8</b> 44        |                                |                              | 0.08 77   |
| BlackRock 2055 Index  | -15.7 97  | <b>-15.9</b> 53        | 6.0 27              | 6.9 21                | 6.9 36              | <b>8.6</b> 5         |                                |                              |   |
| SERS 2060 Retirement Fund<br>Callan Target Date 2060  | <b>-15.3</b> 81   | <b>-15.7</b> 40        | <b>6.1</b> 25       | <b>7.1</b> 17         | <b>7.1</b> 30       |                      |                                |                              | <b>0.08</b> 78  |
| BlackRock 2060 Index  | -15.7 98  | -15.9 49               | 6.0 30              | 6.9 26                | <b>6.9</b> 54       |                      |                                |                              |   |
| above median above abov | n Consistency<br>ove median<br>d quartile<br>rth quartile | y:                     |                     | Risk<br>Ketnu<br>Risk |                     |                      |                                |                              | Expense Ratio:<br>below median<br>second quartile<br>first quartile |

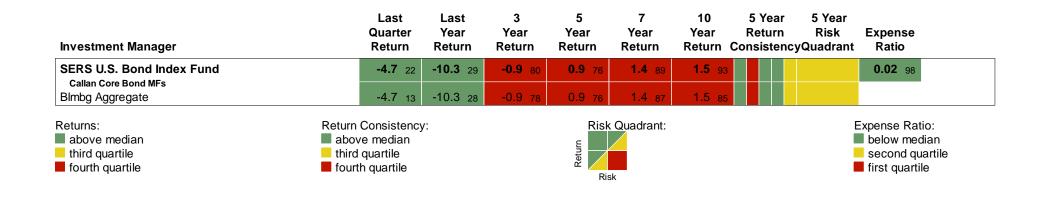
Note: For returns, each SERS Fund and corresponding benchmark return are shown with their respective peer group rankings. For returns, lower peer group rankings are more desirable (e.g. 25th percentile equates to top quartile performance). Expense Ratio: Higher peer group rankings are more desirable (e.g. 75th percentile equates to bottom quartile/cheapest fees).

## Performance Summary & Expense Ratios as of June 30, 2022

| Investment Manager   | Last<br>Quarter<br>Return   | Last<br>Year<br>Return | 3<br>Year<br>Return | 5<br>Year<br>Return | 7<br>Year<br>Return | 10<br>Year<br>Return | 5 Year<br>Return<br>Consistenc | 5 Year<br>Risk<br>yQuadrant | Expense<br>Ratio  |
|--|---|------------------------|---------------------|---------------------|---------------------|----------------------|--------------------------------|-----------------------------|---|
| SERS 2065 Retirement Fund  | <b>-15.3</b> 77   | <b>-15.7</b> 26        |                     |                     |                     |                      |                                |                             | <b>0.08</b> 50  |
| Callan Target Date 2065<br>BlackRock 2065 Index                    | -15.7 95  | -15.9 30               |                     |                     |                     |                      |                                |                             |   |
| Domestic Equity  |   |                        |                     |                     |                     |                      |                                |                             |   |
| SERS U.S. Large Company Stock Index Fund<br>Callan Lg Cap Broad MF | <b>-16.1</b> 50   | <b>-10.6</b> 43        | <b>10.6</b> 24      | <b>11.3</b> 36      | <b>11.2</b> 27      | <b>13.0</b> 35       |                                |                             | <b>0.02</b> 100   |
| S&P 500 Index  | -16.1 50  | -10.6 43               | 10.6 24             | 11.3 36             | 11.1 27             | 13.0 35              | 5                              |                             |   |
| SERS U.S. All Company Index Fund<br>Callan Multi Cap Brd MF        | <b>-16.7</b> 61   | <b>-13.9</b> 48        | <b>9.7</b> 27       | <b>10.5</b> 27      | <b>10.4</b> 21      | <b>12.5</b> 22       |                                |                             | <b>0.03</b> 99  |
| Russell 3000 Index   | -16.7 61  | -13.9 48               | 9.8 26              | 10.6 26             | 10.4 20             | <b>12.6</b> 21       |                                |                             |   |
| U.S. Small/Mid Company Stock Index Fund<br>Callan SMID Broad MFs   | <b>-20.5</b> 69   | <b>-29.5</b> 76        | <b>4.9</b> 62       | <b>6.6</b> 53       | <b>6.8</b> 57       | <b>10.4</b> 52       | 2                              |                             | <b>0.03</b> 100   |
| Dow Jones US Completion  | -20.7 70  | -30.0 77               | 4.6 63              | <b>6.3</b> 55       | <b>6.5</b> 58       | 10.1 54              | 1                              |                             |   |
| International Equity   |   |                        |                     |                     |                     |                      |                                |                             |   |
| SERS Global Non-U.S. Index Fund<br>Callan Non US Equity MFs        | <b>-13.2</b> 46   | <b>-19.2</b> 48        | <b>1.6</b> 46       | <b>2.8</b> 40       | <b>3.2</b> 38       | <b>5.0</b> 57        | 7                              |                             | <b>0.05</b> 99  |
| MSCI ACWI ex US  | -13.7 53  | -19.4 48               | 1.4 54              | 2.5 45              | 2.9 45              | 4.8 69               | 9                              |                             |   |
| Domestic Fixed income  |   |                        |                     |                     |                     |                      |                                |                             |   |
| SERS Short Term Investment Fund<br>Callan Cash Database            | <b>0.2</b> 43   | <b>0.2</b> 42          | <b>0.7</b> 72       | <b>1.2</b> 73       | <b>1.0</b> 77       | <b>0.8</b> 77        |                                |                             | <b>0.00</b> 100   |
| 3-month Treasury Bill  | 0.1 54  | 0.2 43                 | 0.6 78              | 1.1 87              | 0.9 89              | 0.6 90               |                                |                             |   |
| Comments: Callan Cash Database includes STI                        | F, enhanced cas   | sh, and mone           | ey market fu        | nds.                |                     |                      |                                |                             |   |
| SERS U.S. Short Term Bond Idx Fund<br>Callan Short US Govt MFs     | <b>-0.6</b> 19  | <b>-3.6</b> 30         | <b>0.3</b> 21       |                     |                     |                      |                                |                             | <b>0.02</b> 100   |
| Blmbg Gov/Cred 1-3 Yr  | -0.6 19   | -3.6 30                | 0.3 21              | 1.1 15              | 1.0 15              | 1.0 11               | 1                              |                             |   |
| SERS U.S. TIPS Index Fund<br>Callan TIPS MFs                       | <b>-6.1</b> 47  | <b>-5.1</b> 43         | <b>3.0</b> 51       |                     |                     |                      |                                |                             | <b>0.02</b> 99  |
| BImbg US TIPS  | -6.1 47   | -5.1 43                | 3.0 50              | 3.2 35              | 2.8 28              | 1.7 25               | 5                              |                             |   |
| above median   third quartile                                      | turn Consistency<br>above median<br>hird quartile<br>ourth quartile | y:                     |                     |                     | Quadrant:           |                      |                                |                             | Expense Ratio:<br>below median<br>second quartile<br>first quartile |

Note: For returns, each SERS Fund and corresponding benchmark return are shown with their respective peer group rankings. For returns, lower peer group rankings are more desirable (e.g. 25th percentile equates to top quartile performance). Expense Ratio: Higher peer group rankings are more desirable (e.g. 75th percentile equates to bottom quartile/cheapest fees).

## Performance Summary & Expense Ratios as of June 30, 2022



Note: For returns, each SERS Fund and corresponding benchmark return are shown with their respective peer group rankings. For returns, lower peer group rankings are more desirable (e.g. 25th percentile equates to top quartile performance). Expense Ratio: Higher peer group rankings are more desirable (e.g. 75th percentile equates to bottom quartile/cheapest fees).

# 401(a) Plan Investment Structure

### Lineup Mapped to Callan's Clean Sheet

| Conservative | Tier I: Asset Allocation | Tier II: Passive Core Options  | Tier II: Active Core Options                       | Tier III: Specialty Options    |
|--------------|--------------------------|--|--|--------------------------------|
|              | Target Date Funds        |  | Capital Preservation<br>Short Term Investment Fund |                                |
|              |                          | Core Fixed Income<br>U.S. Short Term Bond Index Fund<br>U.S. TIPS Index Fund<br>U.S. Bond Index Fund |  |                                |
|              |                          | Large-Cap US Equity<br>U.S. Large Co. Stock Index Fund<br>U.S. All Company Index Fund                |  |                                |
|              |                          | Non-US Equity<br>Global Non-U.S. Stock Index Fund  |  |                                |
| Aggressive   |                          | Small/Mid-Cap US Equity<br>U.S. Small/Mid Co. Stock Index Fund                                       |  | Self-Directed Brokerage Window |



Appendix – Callan Update

## **Published Research Highlights from 2Q22**

Research Café: ESG Interview Series



Investing in Data Centers: The Real Assets of the Digital Age



Webinar: Pension Risk Transfer



Do Active Fixed Income Managers Add Value With Sector Rotation?



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Rising Interest Rates Spur Look at Structured Credit

Nathan Wong

SEC Proposes Rule to Enhance ESG Disclosures for Investments

Kristin Bradbury

#### **Additional Reading**

Alternatives Focus quarterly newsletter Active vs. Passive quarterly charts *Capital Markets Review* quarterly newsletter Monthly Updates to the Periodic Table *Market Pulse Flipbook* quarterly markets update *Real Estate Indicators* market outlook

### **Callan Institute Events**

Upcoming conferences, workshops, and webinars

### Callan College

#### **Intro to Alternatives**

This course is for institutional investors, including trustees and staff members of public plans, corporate plans, and nonprofits. This session familiarizes trustees and staff with alternative investments like private equity, hedge funds, and real estate and how they can play a key role in any portfolio. In our "Callan College" on Alternatives, you will learn about the importance of allocations to alternatives, and how to consider integrating, evaluating, and monitoring them.

Join our next VIRTUAL session via Zoom (2 sessions, 3 hours each): August 24-25, 2022

#### Intro to Investments—Learn the Fundamentals

This course is for institutional investors, including trustees and staff members of public plans, corporate plans, and nonprofits. This session familiarizes trustees and staff with basic investment theory, terminology, and practices.

Join our next VIRTUAL session via Zoom (3 sessions, 2–3 hours each): September 20–22, 2022

#### Mark Your Calendar

#### 2022 October Regional Workshops

October 18, 2022 Denver

October 20, 2022 San Francisco

#### Callan Institute's 2023 National Conference

April 2-4, 2023 Scottsdale, Arizona

Watch your email for further details and an invitation.

### Webinars & Research Café Sessions

#### Market Intelligence

October 14, 2022 - 9:30am (PT)

## **Callan Updates**

Firm updates by the numbers, as of June 30, 2022

### Total Associates: ~200

### Ownership

- -100% employees
- -67% of employees are equity owners
- -55% of shareholders identify as women or minority

### **Key Hires**

- Craig Chaikin, CFA, SVP, Denver Consulting
- Emily Hylton, SVP, Atlanta Consulting
- Christina Mays, VP, Real Assets Consulting
- -Nicole Wubbena, SVP, Global Manager Research

"Callan has been offering alternatives investment consulting services for more than 30 years. The demand for our services is greater than ever as institutional investors increase their allocations to alternative investments. As a result, we've been expanding our already robust research resources and capabilities to support them." — Pete Keliuotis, EVP, Callan's Alternatives Consulting Group

Total General and Investment Consultants: more than 55 Total Specialty and Research Consultants: more than 80 Total CFA/CAIA/FRMs: more than 55 Total Institutional Investor Clients: more than 475 Assets Under Advisement: more than \$4 trillion



### **Disclaimers**

This report is for informational purposes only and should not be construed as legal or tax advice on any matter. Any decision you make on the basis of this content is your sole responsibility. You should consult with legal and tax advisers before applying any of this information to your particular situation.

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